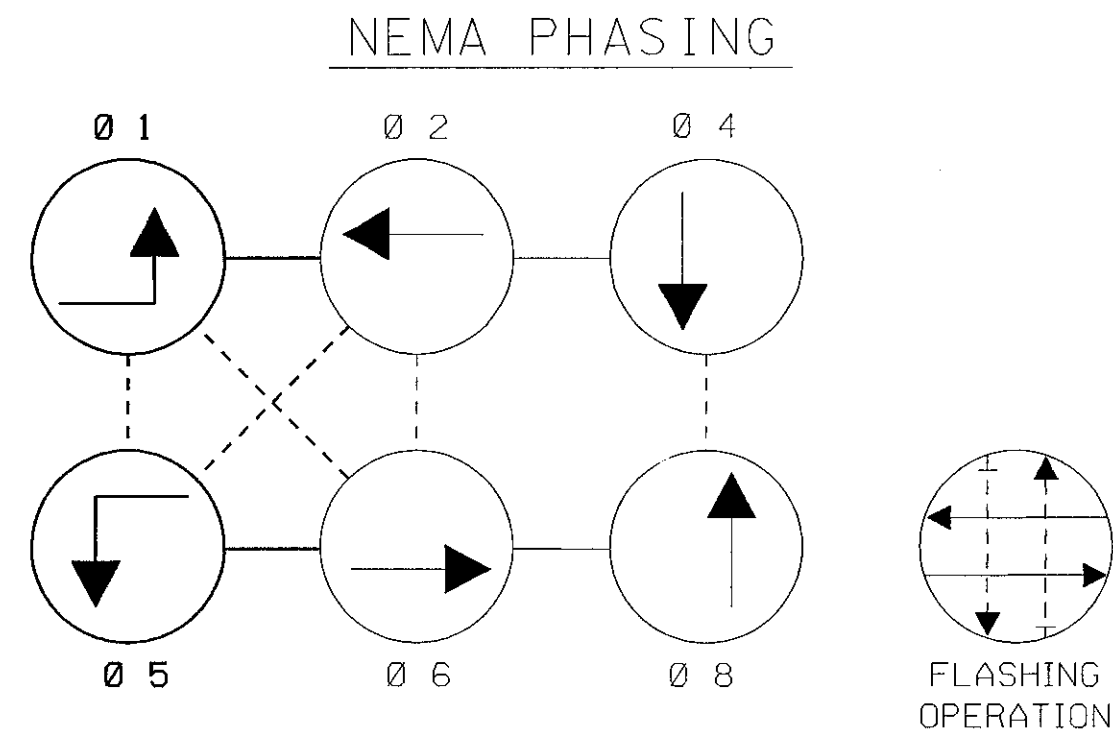


MD 75 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION



- PHASING NOTES:
- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
 - PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

- INSTALL 14 FT. BREAKAWAY PEDESTAL POLE AND TRAFFIC SIGNAL HEAD (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN POLE BASE).
- INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- USE EXISTING STRAIN POLE AND INSTALL POLE MOUNTED TRAFFIC SIGNAL HEAD BELOW EXISTING D-3(1) SIGNS.
- USE EXISTING SPAN WIRE AND INSTALL TRAFFIC SIGNAL HEADS, SIGNS AND REMOVE EXISTING TRAFFIC SIGNAL HEADS.
- USE EXISTING HANDHOLE.
- USE EXISTING POLE MOUNTED CABINET AND CONTROLLER.
- USE EXISTING CONDUIT.

GENERAL NOTE:

CONTRACTOR SHALL VERIFY PAVEMENT MARKING LOCATIONS PRIOR TO INSTALLING SIGNAL HEADS AND SIGNS ON SPAN WIRE. IF SIGNAL HEADS NEED TO BE RELOCATED BASED ON PAVEMENT MARKING MODIFICATIONS, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER ON LOCATION OF THE SIGNAL HEADS.

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL TO INSTALL EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING ON BOTH APPROACHES OF MD 75 AT THE INTERSECTION OF MD 75 AND OLD ANNAPOLIS ROAD IN FREDERICK COUNTY.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30
STANDARD NO. MD-104.03-01 (INTERSECTION FLAGGING OPERATION)
STANDARD NO. MD-104.04-01 (SHOULDER WORK)

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NUMBER	QUANTITY	DESCRIPTION
9572	22 S.F.	SHEET ALUMINUM SIGNS

EQUIPMENT LIST "B"

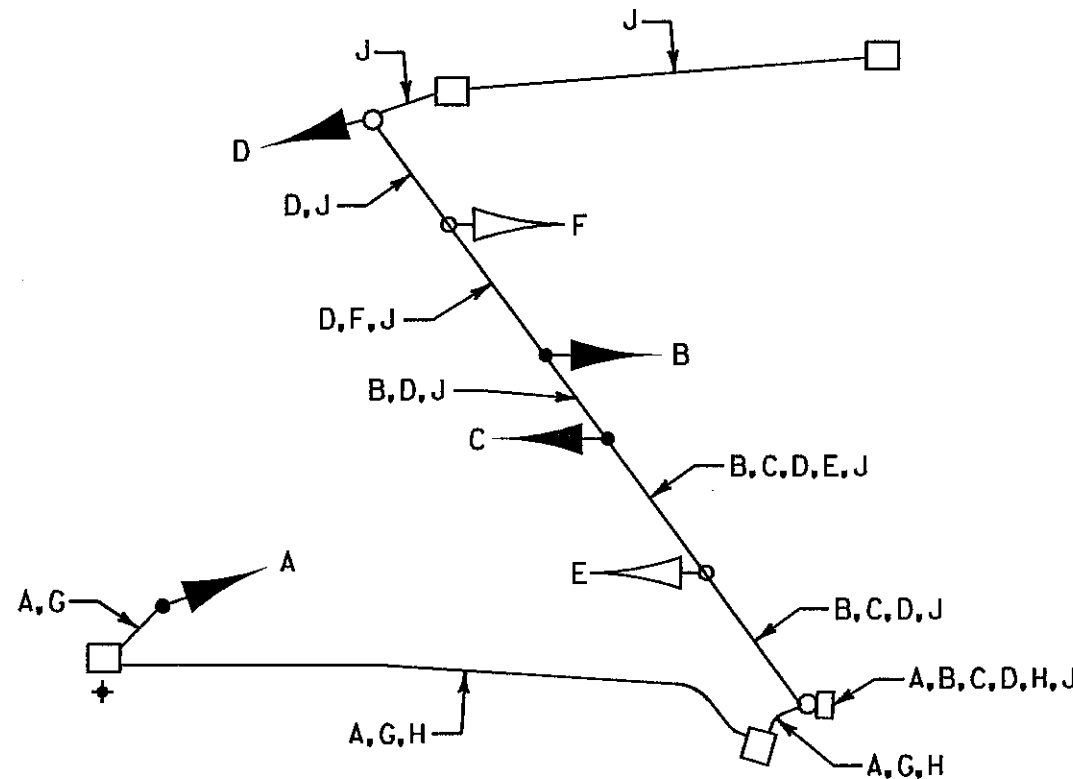
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NUMBER	QUANTITY	DESCRIPTION
1001	1 EA.	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
8001	1 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
8013	1 EA.	14 FT. BREAKAWAY PEDESTAL POLE
8014	LUMP SUM	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT AS PER ASSIGNMENT
8022	125 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8030	10 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8048	22 S.F.	INSTALL OVERHEAD SIGN
8069	1 EA.	FURNISH AND INSTALL GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8070	6 EA.	FURNISH AND INSTALL 8 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8071	14 EA.	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8076	290 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8079	50 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
8080	540 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)

WIRING DIAGRAM

WIRING KEY

- A } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B }
C }
D }
E } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
F }
G } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
H } 2-CONDUCTOR ELECTRICAL CABLE ALUMINUM SHIELDED (NO. 14 A.W.G.)
J }
+ - 3/4 IN. X 10 FT. GROUND ROD



PROPOSED
SIGNS
11, 12



R10-12
(36" x 42")

EXISTING
SIGNAL HEADS
TO REMAIN
2, 4, 5-8



12"

EXISTING
SIGNAL HEADS
TO BE REMOVED
1A, 3A

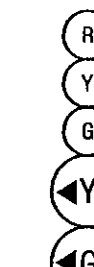


12"

PROPOSED
SIGNAL HEADS
1, 3 9, 10



12"



12"/8"

LEGEND OF UNDERGROUND
AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV



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(410) 235-3450

REVISIONS	APPROVALS
1. Add E/P FOR MD 75	TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 75 @ OLD ANNAPOLIS ROAD
TRAFFIC SIGNALIZATION PLAN

DRAWN BY: B. DONOHAY	F.A.P. NO.	TS NO.
CHECKED BY: N. LEARY	S.H.A. NO.	2427
SCALE: 1" = 20'	COUNTY: FREDERICK	T.L.M.S. NO.
DATE: 8/29/2003	LOG MILE: 100.7511.96	1 OF 1